

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: June 30, 2001, 04:18:46 ; Search time 78.79 Seconds  
(without alignments)  
4065.429 Million cell updates/sec

Title: US-09-403-262a-1

Perfect score: 1729  
Sequence: 1 cctcgtcctcccccag.....ctattttatttaatra 1729

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 317530 seqs, 92630169 residues

Total number of hits satisfying chosen parameters: 635060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

- 1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq:\*
- 2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq:\*
- 3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq:\*
- 4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq:\*
- 5: /cgn2\_6/ptodata/2/ina/PTCUS\_COMB.seq:\*
- 6: /cgn2\_6/ptodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74.4	4.3	7218	1 US-08-232-463-14	Sequence 14, Appl
2	43.2	2.5	7218	1 US-08-232-463-14	Sequence 14, Appl
3	41.4	2.4	665	2 US-08-883-795A-36	Sequence 36, Appl
4	40.4	2.3	4748	4 US-09-331-581-1	Sequence 1, Appl
5	40.4	2.3	5852	1 US-07-867-106-2	Sequence 2, Appl
6	40.4	2.3	7286	4 US-09-331-581-3	Sequence 3, Appl
7	40.4	2.3	7938	4 US-09-331-581-14	Sequence 14, Appl
8	40	2.3	6243	2 US-09-056-075-1	Sequence 1, Appl
9	38.6	2.2	665	2 US-08-883-795A-36	Sequence 36, Appl
10	38.6	2.2	1600	3 US-09-032-372-7	Sequence 7, Appl
11	37.8	2.2	2430	4 US-08-845-258-3	Sequence 3, Appl
12	37.8	2.2	2430	4 US-08-845-258-40	Sequence 40, Appl
13	37.8	2.2	2430	4 US-08-990-571-3	Sequence 9, Appl
14	37.8	2.2	2430	4 US-08-990-571-40	Sequence 40, Appl
15	37.6	2.2	5785	3 US-08-480-640A-221	Sequence 221, App
16	37.6	2.2	5785	4 US-08-686-968C-221	Sequence 221, App
17	37.6	2.2	19124	2 US-08-487-826B-13	Sequence 13, Appl
18	37.4	2.2	1605	3 US-08-989-510A-7	Sequence 7, Appl
19	37.4	2.2	1605	3 US-08-989-510A-9	Sequence 9, Appl
20	37.4	2.2	1605	4 US-09-182-816-7	Sequence 7, Appl
21	37.4	2.2	1605	4 US-09-182-816-9	Sequence 9, Appl
22	37.4	2.2	1605	4 US-09-471-528-7	Sequence 7, Appl
23	37.4	2.2	1605	4 US-09-471-528-9	Sequence 9, Appl
24	37.4	2.2	4032	1 US-08-107-748-3	Sequence 3, Appl
25	37.4	2.2	4032	1 US-08-245-809-4	Sequence 4, Appl
26	37.4	2.2	4032	5 PCT-US92-01385-3	Sequence 3, Appl
27	37.4	2.2	12047	2 US-09-022-461-1	Sequence 1, Appl

28	37.2	2.2	834	4 US-08-998-416-305	Sequence 305, App
29	37.2	2.2	2483	1 US-08-526-964-1	Sequence 1, Appl
30	37.2	2.2	2483	2 US-08-946-617-1	Sequence 1, Appl
31	37.2	2.2	2483	3 US-09-031-897-1	Sequence 1, Appl
32	37.2	2.2	6768	1 US-08-107-755A-1	Sequence 1, Appl
33	37.2	2.2	8457	1 US-07-991-867B-1	Sequence 1, Appl
34	37.2	2.2	8457	2 US-08-544-332-1	Sequence 1, Appl
35	37	2.1	2280	3 US-08-813-150-1	Sequence 1, Appl
36	37	2.1	152331	4 US-09-128-155-16	Sequence 16, Appl
37	37	2.1	176373	4 US-09-128-155-17	Sequence 17, Appl
38	36.8	2.1	377	2 US-08-332-766A-1	Sequence 1, Appl
39	36.6	2.1	2287	4 US-08-845-258-8	Sequence 8, Appl
40	36.6	2.1	2287	4 US-08-990-571-8	Sequence 8, Appl
41	36.6	2.1	8920	2 US-08-446-855A-1	Sequence 1, Appl
42	36.6	2.1	8920	4 US-09-150-741-1	Sequence 1, Appl
43	36.4	2.1	615	4 US-08-998-416-186	Sequence 166, App
44	36.4	2.1	1753	4 US-08-205-657A-6	Sequence 6, Appl
45	36.4	2.1	1753	5 PCT-US95-02576-6	Sequence 6, Appl

#### ALIGNMENTS

RESULT 1  
US-08-232-463-14  
Sequence 14, Application US/08232463  
Patent No. 5670367  
GENERAL INFORMATION:  
APPLICANT: DORNER, F.  
APPLICANT: SCHEIFLINGER, F.  
APPLICANT: FALKNER, F. G.  
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
NUMBER OF SEQUENCES: 52  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 1800 Diagonal Road, Suite 500  
CITY: Alexandria  
STATE: VA  
COUNTRY: USA  
ZIP: 22313-0299  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/232,463  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/935,313  
FILING DATE:  
APPLICATION NUMBER: EP 91 114 300.6  
FILING DATE: 26-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 836-9300  
TELEFAX: (703) 683-4109  
TELEX: 899149  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7218 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
CLONE: pTZgpt-F15  
US-08-232-463-14



TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 665 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
IMMEDIATE SOURCE:  
CLONE: Rh 32  
US-08-883-795A-36

Query Match 2.4%; Score 41.4; DB 2; Length 665;  
Best Local Similarity 49.3%; Pred. No. 0.1;  
Matches 108; Conservative 0; Mismatches 111; Indels 0; Gaps 0;

Qy 1510 aataccgatttctaatgaagtgtgtagtagaatttcgcatggtgaagaacacat 1569  
Db 58 AATTAAATATTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 117  
Oy 1570 tgaagaggattgaattcatggtttttgttttactattgatagaatgtttaa 1629  
Db 118 AATTAAATATTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 177  
Qy 1630 attttaacatagagagactggttgatgatatagatttaagtaactagcttcta 1689  
Db 178 AATTAAATATTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 237  
Qy 1690 taagcaagatcttgatcaactattttatttatt 1728  
Db 238 AATTAAATATTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 276

RESULT 4  
US-09-331-581-1/C  
Sequence 1, Application US/09331581  
Patent No. 6130070  
GENERAL INFORMATION:  
APPLICANT: TOMIDA, Hideki  
APPLICANT: HAMA, Yuko  
TITLE OF INVENTION: INDUCTION PROMOTER GENE AND SECRETORY SIGNAL GENE  
TITLE OF INVENTION: USABLE IN SCHIZOSACCHAROMYCES POMBE, EXPRESSION VECTORS  
FILE REFERENCE: 0059-1142-0PCT  
CURRENT APPLICATION NUMBER: US/09/331,581  
CURRENT FILING DATE: 1999-06-30  
EARLIER APPLICATION NUMBER: PCT/JP98/04929  
EARLIER FILING DATE: 1998-10-30  
EARLIER APPLICATION NUMBER: JP 9-314608  
EARLIER FILING DATE: 1997-10-31  
NUMBER OF SEQ ID NOS: 24  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 4748  
TYPE: DNA  
ORGANISM: Schizosaccharomyces pombe  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (2810)..(4552)  
US-09-331-581-1

Query Match 2.3%; Score 40.4; DB 4; Length 4748;  
Best Local Similarity 56.9%; Pred. No. 0.43;  
Matches 74; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

Oy 1586 ttcaatgttttttttactattgatagaaatgttttaaaatttttaacatagag 1645

DB 1193 TTATATATATTTTTTTTCTATTTTTCATTTTTTGGCTTACCTATATACCTTTTGGT 1134  
Qy 1646 actaggtgataatataatagatttaagtaactagctcttgatataagcaagatcttga 1705  
Db 1133 ACTCATTTTCTTACTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1074  
Qy 1706 tcaactatt 1715  
Db 1073 TGAACCAAT 1064

RESULT 5  
US-07-867-106-2  
Sequence 2, Application US/07867106  
Patent No. 5389526  
GENERAL INFORMATION:  
APPLICANT: Slade, Martin B  
APPLICANT: Chang, Andy C M  
APPLICANT: Williams, Keith L  
TITLE OF INVENTION: Improved Plasmid Vectors for Cellular  
TITLE OF INVENTION: Slime Moulds of the Genus Dictyostelium  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5389526rls  
STREET: One Liberty Place 46th Floor  
CITY: Philadelphia  
STATE: PA  
COUNTRY: USA  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/867,106  
FILING DATE: 19920625  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: AU PJ 7187  
APPLICATION NUMBER: PCT/AU90/00530  
FILING DATE: 02-NOV-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Feehey, Joanne Longo  
REGISTRATION NUMBER: 35,134  
REFERENCE/DOCKET NUMBER: RICE-0002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5852 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ANTI-SENSE: NO  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 2378..5038  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 2378..5038  
US-07-867-106-2

Query Match 2.3%; Score 40.4; DB 1; Length 5852;  
Best Local Similarity 53.1%; Pred. No. 0.47;  
Matches 86; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

Qy 1561 gacacaatctgaagagatgaatttcattgtttttgttttactattgatagaa 1620  
Db 1801 GAATATATATTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1860



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; OTHER INFORMATION: /note= "RP4 origin of DNA transfer (orit) from
; OTHER INFORMATION: plasmid RP4"
US-09-056-075-1

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[illegible]

RESULT 9  
 US-08-883-795A-36/C  
 Sequence 36, Application US/08883795A  
 Patent No. 5985607  
 GENERAL INFORMATION:  
 APPLICANT: Delcuve, Genevieve  
 APPLICANT: Awang, Gregor  
 TITLE OF INVENTION: Recombinant DNA Molecules and Expression  
 TITLE OF INVENTION: Vectors for Tissue Plasminogen Activator  
 NUMBER OF SEQUENCES: 39  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: BERESKIN & PARR  
 STREET: 40 King Street West  
 CITY: Toronto  
 STATE: Ontario  
 COUNTRY: Canada  
 ZIP: M5H 3T2  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/883,795A  
 FILING DATE: 27-JUN-1997  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Gravelle, Micheline  
 REGISTRATION NUMBER: 40,261  
 REFERENCE/DOCKET NUMBER: 7841-062  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (416) 364-7311  
 TELEFAX: (416) 361-1398  
 INFORMATION FOR SEQ ID NO: 36:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 665 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens  
 IMMEDIATE SOURCE:  
 CLONE: Rh 32  
 US-08-883-795A-36

Query Match	2.2%;	Score 38.6;	DB 2;	Length 665;
Best Local Similarity	48.8%;	Pred. No. 0.55;		
Matches 104;	Conservative	0;	Mismatches 109;	Indels 0;
				Gaps 0;

Oy	1517	agattctctaaagagctgtagctagtaagaattcgcgatgctgaagacacatctaaagag	1576
Db	352	ATAAGTAAITTTAAACATTTAAATATATAAAATATGTAATATTAATTAACATTTTAATATAA	293
Oy	1577	gtattgaattcaatcgctttctttcgttttaactattgatagaaatgcttttaaaattcta	1636
Db	292	ATATTTAATATTAACATTTAAATTAATTAATAATATTAATTAATTAATTAATTAATAA	233
Oy	1637	acataagaggactaggttgatagatatagtaattaaagtaactagctcttgataagca	1696
Db	232	ATATTTAATTAATAATTTTAAATTAATAAAATTTTAAATTAATAATTTTAATATAA	173
Oy	1697	agactctgaatcaacttttttaatttttaatt	1729
Db	172	ATATTTAATTAATAATTTTAATTAATATAATA	140

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10 RESULT
11 ; Sequence 7, Application US/09032372
12 ; Patent No. 6008337
13 ; GENERAL INFORMATION:
14 ; APPLICANT: Bandman, Olga
15 ; APPLICANT: Hillman, Jennifer L.
16 ; APPLICANT: Corley, Neil C.
17 ; APPLICANT: Guegler, Karl J.
18 ; APPLICANT: Yue, Henry
19 ; APPLICANT: Lal, Preeti
20 ; TITLE OF INVENTION: CELL CYCLE RELATED PROTEINNS
21 ; NUMBER OF SEQUENCES: 13
22 ; CORRESPONDENCE ADDRESS:
23 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
24 ; STREET: 3174 Porter Drive
25 ; CITY: Palo Alto
26 ; STATE: CA
27 ; COUNTRY: USA
28 ; ZIP: 94304
29 ; COMPUTER READABLE FORM:
30 ; MEDIUM TYPE: Diskette
31 ; COMPUTER: IBM Compatible
32 ; OPERATING SYSTEM: DOS
33 ; SOFTWARE: FASTSEQ for Windows Version 2.0
34 ; CURRENT APPLICATION DATA:
35 ; APPLICATION NUMBER: US/09/032,372
36 ; FILING DATE: Herewith
37 ; CLASSIFICATION:
38 ; PRIOR APPLICATION DATA:
39 ; APPLICATION NUMBER:
40 ; FILING DATE:
41 ; ATTORNEY/AGENT INFORMATION:
42 ; NAME: Billings, Lucy J
43 ; REGISTRATION NUMBER: 36,749
44 ; REFERENCE/DOCKET NUMBER: PF-0478 US
45 ; TELECOMMUNICATION INFORMATION:
46 ; TELEPHONE: 650-855-0555
47 ; TELEFAX: 650-845-4166
48 ; TELEX:
49 ; INFORMATION FOR SEQ ID NO: 7:
50 ; SEQUENCE CHARACTERISTICS:
51 ; LENGTH: 1600 base pairs
52 ; TYPE: nucleic acid
53 ; STRANDEDNESS: single
54 ; TOPOLOGY: linear
55 ; IMMEDIATE SOURCE:
56 ; LIBRARY: ORSNOT02
57 ; CLONE: 680517
58 ; US-09-032-372-7

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Qy	1713	attttatttta	1725
Db	692	CTTGAATTATTA	680

RESULT 13  
US-08-990-571-3

GENERAL INFORMATION:

APPLICANT: keed, Steven G. et al.  
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF B. M.  
NUMBER OF CLAIMS: 70

; NUMBER OF SEQUENCES: /9  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: SEED AND BERRY

ADDRESS: SEU AND BERRI  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA

COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM.

```

; COMPIER: IBM PC compatible
; MEDIUM TYPE: floppy disk
; COMPIER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0. Vers

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/990,571

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FILING DATE: 11-DEC-1997  
CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:  
NAME: Makl, David J.

REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.426C2

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900

```

; TELEFAX: (206)682-6031
; INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:

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; SEQUENCE CHARACTERISTICS:
;     LENGTH: 2430 base pairs
;     TYPE: nucleic acid
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```

```

/ LIFE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

```

NUMBER OF SEQUENCES: 79  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED AND BERRY  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington

```

; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/990,571
; FILING DATE: 11-DEC-1997

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FILED DATE: 11-DEC-1998  
CLASSIFICATION:  
ATTORNEY/AGENCY INFORMATION

;;  
; AI JORNEL/AGENCI INFORMATION:  
; NAME: Makl, David J.  
; REGISTRATION NUMBER: 31 392  
;

TELECOMMUNICATION INFORMATION:  
REFERENCE/DOCKET NUMBER: 210121.426C2  
ALLOCATION NUMBER: 210522

TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031

```

; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:

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; LENGTH: 2430 base pairs
; TYPE: nucleic acid
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; STRANDEDNESS: single
; TOPOLOGY: linear
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US-08-990-571-40

Query Match	2.28;	Score 37.8;

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Best Local Similarity 49.78; Pred. No. 1
Matches 96; Conservative 0; Mismatch
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OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/480,640A  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P  
REGISTRATION NUMBER: 28,678  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0525  
INFORMATION FOR SEQ ID NO: 221:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5785 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: N  
ANTI-SENSE: N  
US-08-480-640A-221

Query Match 2.28; Score 37.6; DB 3; Length 5785;  
Best Local Similarity 55.3%; Pred. No. 2.5;  
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

OY	1562	acaatattgaagaggtatgaattcattgcttttcttttacttatgatgaat	1621
DB	1699	AAATATTGATCTACGATCTACTTCACTTTTATCTGTGATATTAGACTCAC	1640
OY	1622	gtttaaatlttaacataagagactaggltgataatataagtttaagttactag	1681
DB	1639	CTCTAATGCTATATATGATGATGTCATTTAGATGATAGATGCTGTTAAATTATAG	1580
OY	1682	tcttgataac	1693
DB	1579	TTATGATGAAC	1568

Search completed: June 30, 2001, 05:26:04  
Job time: 4038 sec